

WHAT IS CLAIMED IS:

1. An inflatable two-layer fabric comprising two separated fabric layers,
woven at the same time using a weaving machine, and an attachment area
attaching said two fabric layers, wherein said attachment area has air leakage per
5 unit length (measured at 2.5k Pa) of less than 0.8 L/min/cm.

2. The inflatable two-layer fabric according to claim 1, which comprises a
separator area (A, B) consisting of two separated fabric layers and an attachment
point (C) attaching said two separated fabric layers, wherein the left separator
area (A) structure and the right separator area (B) structure of said separator area
10 (A, B), located at left and right sides of said attachment point respectively, are
mirror images of each other, and said attachment area is formed by a plain weave
which is formed by repeated weaving of the left separator area (A) and the right
separator area (B).

3. The inflatable two-layer fabric according to claim 1, which has a
15 stiffness value equal to or smaller than 3.5 kgf.

4. The inflatable two-layer fabric according to claim 1, wherein each single
fabric layer comprising said two-layer fabric has a thickness equal to or smaller
than 0.5 mm.

5. The inflatable two-layer fabric according to claim 1, wherein each single

fabric layer comprising said two-layer fabric has a cover factor, defined by the following Equation 1, that is equal to or larger than 1900:

Equation 1

$$\text{Cover factor (CF)} = \text{warp density (/inch)} \times \text{SQRT (warp denier)} + \text{weft density (/inch)} \times \text{SQRT (weft denier)}$$

6. The inflatable two-layer fabric according to claim 1, which has an inner pressure 5 seconds after an initial pressure of 50 kPa has been applied that is equal to or larger than 6 kPa, a suture strength at the attachment area equal to or larger than 80 kg/in, a breaking modulus smaller than 60%, and a wear strength maintenance ratio equal to or larger than 80%.

7. The inflatable two-layer fabric according to claim 2, wherein said attachment point is repeated two or more times.

8. The inflatable two-layer fabric according to claim 1, which is coated with a synthetic resin.

9. The inflatable two-layer fabric according to claim 8, wherein the coating amount on one side of said two-layer fabric ranges from 40 g/m² to 150 g/m².

10. A car airbag comprising the inflatable two-layer fabric according to any of claims 1 to 9.

11. The car airbag according to claim 10, which is a side curtain airbag for vehicles.